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CLAIMS

1. Apparatus for the mixing of explosive materials, comprising:

a reservoir of pre- mixed explosive material,
a reservoir of hardener material,
5 a static mixer means,
each of said reservoirs having separate pipe means for conveying said
pre-cure explosive material and hardener material respectively to a static
mixer means.
- 10 2. Apparatus for the mixing of explosive materials in accordance with claim
1, wherein said materials are combined substantially at the inlet of said
static mixer means.
3. Apparatus for the mixing of explosive materials in accordance with claim 1
or claim 2, wherein the outlet of said static mixer means is connected to
means for effecting the filling of ordnance.
- 15 4. Apparatus for the mixing of explosive materials in accordance with any of
claims 1, 2 or 3 wherein the means for filling each of said ordnance
components with said combined final explosive material is controlled such
that the respective pre-mix explosive material and hardener materials are
introduced to the static mixer means on demand, the demand controlled
20 by an automated ordnance fill level control means.
5. Apparatus for the mixing of explosive materials in accordance with any of
claims 1 to 4 wherein said fill-to-level control means comprises at least
one fibre optic sensor.
- 25 6. A method for the mixing of explosive materials utilising apparatus in
accordance with any of claims 1 to 5.
7. A method for the mixing of explosive materials in accordance with claim 6,
wherein the output from said static mixer is connected to apparatus for the
filling of ordnance with explosive materials.

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8. Apparatus for the mixing of explosive materials substantially as hereinbefore described with reference to the accompanying drawings.
9. A method for the mixing of explosive materials substantially as hereinbefore described with reference to the accompanying drawings.